

## ABSTRACT

## TELECOMMUNICATION NETWORK SYNCHRONISATION

5 A method of synchronising nodes of a telecommunication network in which a master node is coupled to a Primary Reference Clock (PRC) and a plurality of slave nodes are each arranged to synchronise their internal clock to the PRC using data received on incoming data link. The method comprises propagating Synchronisation Status Messages through the network from the master node, with each node through which a messages pass incorporating into the message its own identity, thereby generating in  
10 each message a node path which has been followed by the message. For each incoming link of each node, the path or path length of a Synchronisation Status Message received on that link is registered as an attribute for that link.

Figure 2

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